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TCS-80767/65
June 1965

PHOTOGRAPHIC INTERPRETATION REPORT

DUAL HEN HOUSE-TYPE ACTIVITY NEAR OLENEGORSK, USSR

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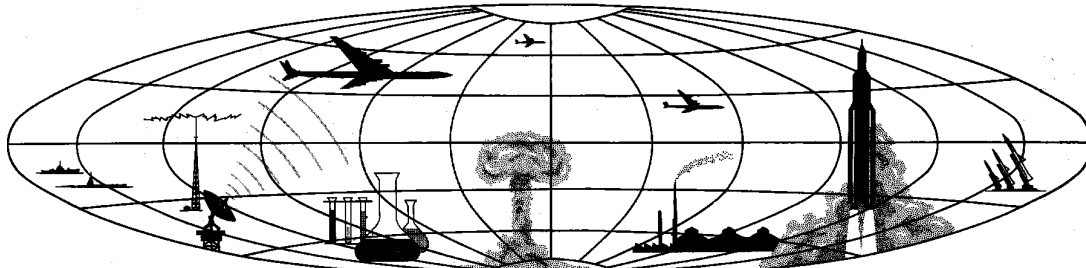
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DUAL HEN HOUSE-TYPE ACTIVITY NEAR OLENEGORSK, USSR

INTRODUCTION

This report is in response to CIA requirement C-RR5-82,388 and C-RR5-82,359, with supplement 1. It updates a previous report, 1/ primarily on the Olenegorsk dual HEN HOUSE-type activity, and contains information on new developments from [redacted]

[redacted] Since the photography of [redacted] and report of October 1964, this activity has been covered by 1 small-scale KH-4 mission [redacted]

This dual HEN HOUSE-type activity, 10.5 nautical miles (nm) east of Olenegorsk Airfield at 68-07N 33-54E (Figure 2), consists of a secured operations area and an unsecured support area.

The operations area consists of a double-fenced area of approximately 48.5 acres containing the dual HEN HOUSE-type structures, with their associated central control building, and 8 operational support buildings. The support area consists of 74 buildings and structures, or buildings under construction, and is approximately 0.5 nm generally south of the operations area.

OPERATIONS AREA

CENTRAL CONTROL BUILDING

The central control building is between the 2 linear antenna buildings, and consists of a large central portion and 3 lower level wings, 1 each on the northeast, northwest, and southwest sides of the central portion of the control building. On photography of early [redacted] all components appeared to be externally complete. The large, central portion of the control building is approximately 200 by 180 feet [redacted] The lower-level wings on the northeast and southwest sides are each approximately 140 by 40 feet [redacted] The third wing, on the northwest side of the large central portion of the control

building, is approximately 200 by 20 feet and of undetermined height. Two probable entrances, each 20 by 15 feet by 10 feet high, are on the southeast side of the central portion of the control building.

Also treated as a part of the central control building are the small structures or connecting galleries which join the control building to the antenna buildings. These connecting structures are on the north and west corners of the central control building and are each canted 15 degrees toward the southeast in relation to it. These connecting structures are each approximately 85 by 35 feet by [redacted] It is interesting to note that the heights of the structures are [redacted] above that of the central control building from which they emanate.

HEN HOUSE-TYPE ANTENNA BUILDINGS

The 2 HEN HOUSE-type antenna buildings appeared to be externally complete in [redacted]

The large-scale photography of [redacted] provides the best view of the antenna faces, which are black in tone. Although this photography lends itself quite well to reliable linear measurements it is not possible to measure the overall height of the structure, and, consequently, it is not possible to determine the slope of the antenna faces.

The 2 linear buildings are situated so 1 end of each abuts the ends of the aforementioned connecting structures, and they appear to be mirror images.

The southwest linear structure is oriented north-northeast/south-southwest, with the face of the antenna oriented on a boresight azimuth of [redacted] The northeast linear structure is oriented northeast/southwest, with the antenna face oriented on a boresight azimuth of [redacted] Both azimuths are correct to within a plus or minus [redacted]

Since the appearance and mensuration indicate that the 2 linear structures are probably identical, and mirror images, a description of only 1 will be given in this report.

The dimensions of the main structure are approximately 875 [redacted] feet. The antenna face is approximately 835 feet long; the width is undetermined. The height of the rear of the linear structure is approximately [redacted] and the horizontal distance from the rear of the building to the roof ridgeline is approximately [redacted] From the roof ridgeline to the front of the structure the horizontal distance is approximately [redacted] In addition there is a terminal building approximately 80 by [redacted] feet and approximately [redacted] feet high, giving an overall length of approximately 955 feet for the linear building. Further information with regard to the dimensions may be obtained from the rectified line drawing (Figure 2).

Sixty-six probable crates measuring approximately 30 [redacted] feet high are immediately in front of the southwest antenna building. An additional 9 smaller probable crates are also present in the same area. Sixty-five of the large probable crates and at least eighty-eight 20-by-[redacted] probable crates are near the security fence northeast of the northeast linear structure.

Of the 8 operational support buildings within the secured operations area, 3 are new and 1 is newly observed since [redacted] Information regarding functions and dimensions may be found in the key to annotations with Figure 2.

Additional discernible details are:

a shallow ditch, probably for surface drainage, is situated to the rear of both linear structures and around the rear of the central control building;

a backfilled trench between a probable pumping station and a lake to the west;

an open trench between the central control building and the water supply facility;

an open trench, probably for power cable, from the rear of the central control building -- through the support area -- to the power substation;

an open trench in straight-line segments forming a semicircle partially around the maintenance building,

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and containing at the northwest portion a possible buried tank approximately [REDACTED] two approximately [REDACTED] buried tanks north-east of the maintenance building; a probable spoil pile outside the northwest security fence; two spoil piles near the end of the southwest linear structure; an open trench, for a possible buried communications link, from the entrance of the secured operations area to a point near the road to Olenegorsk.

SUPPORT AREA

The support area consists of housing and storage buildings, a water supply facility, a power substation, and a sewage disposal plant. There are 74 buildings, or structures, an increase of 26 since the report of [REDACTED] of which 13 are new and 13 are newly observed on the large-scale photography. Dimensions and descriptions may be found in Figure 2.

The main water supply facility is in 2 parts: a probable water treatment plant and a water pumping station. The treatment plant consists of 1 approximately [REDACTED] building, 2 approximately [REDACTED] semiburied probable sedimentation basins, and an approximately [REDACTED] foot diameter standpipe of undetermined height. The pumping station consists of 2 buildings on the shore of the lake east of the treatment plant. A pipeline scar can be seen between the 2 facilities, as can additional scars from the treatment plant to the operations area and various parts of the support area. A second probable water supply facility is southeast of the primary pumping station. This smaller facility is evidenced by an approximately [REDACTED] diameter intake in the lake, and the pipeline scar leading from the intake to the support area.

A power substation under construction is situated at the southeast extremity of the support area. This facility and the powerlines leading into it are the subject of a separate report (in preparation under NPIC Project 11125/65). The 4 buildings, however, have been included in Figure 2.

A probable sewage treatment plant is being constructed south of the main road. It consists of 2 approximately [REDACTED] foot diameter probable digesters, a sewage treatment and pumping station, and 3 small support buildings.

REFERENCES

MAPS OR CHARTS

- ACIC. ONC C-2, 4th classified edition, Sep 60, scale 1:1,000,000 (CONFIDENTIAL)
SAC. US Air Target Chart, Series 200, Sheet 0051-28HL, 3d ed, Sep 63, scale 1:200,000 (SECRET)

DOCUMENT

1. NPIC. R-855/64, *Dual HEN HOUSE-Type Activities Near Olenegorsk and Angarsk, USSR, and Comparison with Site 13, SSATC*, Oct 64 (TOP SECRET CHESSE RUFF)

REQUIREMENTS

- CIA. ORR/C-RR5-82,389, with supplement 1; ORR/C-RR5-82,388

NPIC PROJECT

- 11207/65

Approved For Release 2006/06/22 : CIA-RDP02T06408R000600010013-0

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